

## EAST Search History

| Ref # | Hits | Search Query   | DBs                             | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---------------------------------|------------------|---------|------------------|
| L1    | 802  | 375/147.CCLS.  | US-PGPUB;<br>USPAT              | OR               | ON      | 2006/05/23 13:38 |
| L2    | 1195 | 375/150.CCLS.  | US-PGPUB;<br>USPAT              | OR               | ON      | 2006/05/23 13:38 |
| L3    | 383  | 375/152.CCLS.  | US-PGPUB;<br>USPAT              | OR               | ON      | 2006/05/23 13:38 |
| S1    | 1    | "20030108126"  | US-PGPUB;<br>USPAT              | OR               | ON      | 2005/03/08 16:03 |
| S2    | 22   | akopian.IN. AND david.IN.  | US-PGPUB;<br>USPAT              | OR               | ON      | 2005/03/08 16:03 |
| S3    | 34   | akopian.IN. AND david.IN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/03/08 16:11 |
| S4    | 1    | "5577066".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/03/08 16:27 |
| S5    | 127  | "6,577,6746,577,271" "6,426,949"<br>"6,289,041" "5,799,010" "6,222,<br>874" "6,259,400"                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/03/08 16:28 |
| S6    | 127  | "6,577,674.PN. 6,577,271" "6,426,<br>949" "6,289,041" "5,799,010" "6,<br>222,874" "6,259,400"                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/03/08 16:28 |
| S7    | 7    | "6,577,674".pn. "6,426,949".pn.<br>"6,289,041".pn. "5,799,010".pn.<br>"6,222,874".pn. "6,259,400".pn.<br>"6,577,271".pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/03/08 16:41 |
| S8    | 11   | "6,181,911"  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/03/08 16:41 |
| S9    | 1    | "6,181,911".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/03/08 16:49 |
| S10   | 5    | ("5910948"   "6137433"  <br>"6151353"   "6567462"  <br>"6580749").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | ON      | 2005/03/08 16:44 |
| S11   | 1    | "6366938".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/03/08 17:30 |
| S12   | 56   | "frequency offset" AND "code<br>phase offset"  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/03/10 09:36 |
| S13   | 11   | "frequency offset" AND "code<br>phase offset" AND matrix   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/03/10 09:21 |

## EAST Search History

|     |      |  |                                 |    |    |                  |
|-----|------|--|---------------------------------|----|----|------------------|
| S14 | 44   | GPS AND "code phase offset" AND matrix           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:35 |
| S15 | 186  | GPS AND "frequency offset" AND matrix            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:22 |
| S16 | 84   | S15 AND @ad<"20010101"                           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:22 |
| S17 | 8985 | GPS AND matrix                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:35 |
| S18 | 159  | 375/316.CCLS. AND GOS                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:35 |
| S19 | 48   | 375/316.CCLS. AND GPS                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:39 |
| S20 | 78   | 375/147.CCLS. AND GPS                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:36 |
| S21 | 44   | 375/140.CCLS. AND GPS                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:36 |
| S22 | 1053 | "frequency offset" AND "phase offset"            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:38 |
| S23 | 133  | S22 AND GPS                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:36 |
| S24 | 218  | "frequency offset" AND "phase offset" AND matrix | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:39 |
| S25 | 207  | S24 NOT S13                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:39 |
| S26 | 40   | 375/354.CCLS. AND GPS                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:40 |
| S27 | 4    | S26 AND matrix                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:40 |
| S28 | 255  | 375/354-376.CCLS. AND GPS                        | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:40 |

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|     |     |   |                                 |    |    |                  |
|-----|-----|---|---------------------------------|----|----|------------------|
| S29 | 19  | S28 AND matrix  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/03/10 09:40 |
| S30 | 7   | ("4392232"   "4445118"  <br>"4457006"   "4494238"  <br>"4575861"   "4665404"  <br>"4701934").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/03/10 11:58 |
| S31 | 28  | ("4841544").URPN.   | USPAT                           | OR | ON | 2005/03/10 11:58 |
| S32 | 49  | ("4100370"   "4152651"  <br>"4468793"   "4485477"  <br>"4525676"   "4550311"  <br>"4550312"   "4599732"  <br>"4621365"   "4636583"  <br>"4752939"   "4780892"  <br>"4847860"   "4932037"  <br>"4941051"   "4977577"  <br>"5029181"   "5095493"  <br>"5101416"   "5101417"  <br>"5168508"   "5185761"  <br>"5197084"   "5239555"  <br>"5267244"   "5285472"  <br>"5287067"   "5291081"  <br>"5291517"   "5293399"  <br>"5309484"   "5343495"  <br>"5363401"   "5365550"  <br>"5365551"   "5377222"  <br>"5377223"   "5377225"  <br>"5418778"   "5420850"  <br>"5422912"   "5425061"  <br>"5426665"   "5436935"  <br>"5440595"   "5450453"  <br>"5528624"   "5563537"  <br>"5640431").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/03/10 11:58 |
| S33 | 8   | ("6111911").URPN.   | USPAT                           | OR | ON | 2005/03/10 12:00 |
| S34 | 2   | ("2002/0064210").URPN.  | USPAT                           | OR | ON | 2005/03/10 12:00 |
| S35 | 1   | ("2002/0123352").URPN.  | USPAT                           | OR | ON | 2005/03/10 12:01 |
| S36 | 8   | ("20020058927" "20020064210" "20020123352" "4841544" "6111911" "6289041" "6577271" "6577674").PN.   | US-PGPUB;<br>USPAT              | OR | ON | 2005/07/12 10:21 |
| S37 | 1   | "20030108126"   | US-PGPUB;<br>USPAT              | OR | ON | 2005/07/12 10:23 |
| S38 | 258 | doppler AND phasor  | US-PGPUB;<br>USPAT              | OR | ON | 2005/07/12 15:59 |
| S39 | 165 | S38 AND @ad<"20010101"  | US-PGPUB;<br>USPAT              | OR | ON | 2005/07/12 11:12 |
| S40 | 49  | "frequency offset" WITH phasor  | US-PGPUB;<br>USPAT              | OR | ON | 2005/07/12 11:31 |

## EAST Search History

|     |      |   |                              |    |    |                  |
|-----|------|---|------------------------------|----|----|------------------|
| S41 | 244  | "frequency offset" AND phasor   | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 11:13 |
| S42 | 1098 | 375/316.CCLS.   | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 11:31 |
| S43 | 697  | 375/344.CCLS.   | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 11:31 |
| S44 | 1173 | 375/346.CCLS.   | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 11:32 |
| S45 | 1223 | 375/130.CCLS.   | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 11:32 |
| S46 | 664  | 375/147.CCLS.   | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 11:32 |
| S47 | 1032 | 375/150.CCLS.   | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 11:32 |
| S48 | 759  | 375/148.CCLS.   | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 15:26 |
| S49 | 619  | "coherent integration"  | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/13 07:29 |
| S50 | 167  | S49 AND "375"/\$.CCLS.  | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 15:27 |
| S51 | 109  | S50 AND @ad<"20020101"  | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 15:33 |
| S52 | 10   | S51 AND phasor  | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 15:33 |
| S53 | 9    | ("3975628"   "5153591"  <br>"5253268"   "5608722"  <br>"5642377"   "5644591"  <br>"5734966"   "5749067"  <br>"5909640").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/07/12 15:40 |
| S54 | 6    | ("6297771").URPN.   | USPAT                        | OR | ON | 2005/07/12 15:42 |
| S55 | 0    | ("2004/0190655").URPN.  | USPAT                        | OR | ON | 2005/07/12 15:43 |
| S56 | 0    | ("2002/0045433").URPN.  | USPAT                        | OR | ON | 2005/07/12 15:55 |
| S57 | 7    | ("5361276" "5638362" "5809084"<br> "5909462" "6363102" "6373861"<br> "6466566").PN.   | USPAT                        | OR | ON | 2005/07/12 15:55 |
| S58 | 258  | doppler AND phasor  | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 15:59 |
| S59 | 77   | S58 AND matrix  | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 15:59 |
| S60 | 56   | S59 AND @ad<"20020101"  | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/12 15:59 |
| S61 | 619  | "coherent integration"  | US-PGPUB;<br>USPAT           | OR | ON | 2005/07/13 07:29 |

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|     |      |   |                                 |    |    |                  |
|-----|------|---|---------------------------------|----|----|------------------|
| S62 | 42   | S61 AND phasor  | US-PGPUB;<br>USPAT              | OR | ON | 2005/07/13 07:30 |
| S63 | 10   | S61 AND (phasor WITH set)   | US-PGPUB;<br>USPAT              | OR | ON | 2005/07/13 07:30 |
| S64 | 10   | S61 AND (phasor WITH set)   | US-PGPUB;<br>USPAT              | OR | ON | 2005/07/13 07:30 |
| S65 | 6    | ("5253268"   "5608722"  <br>"5642377"   "5644591"  <br>"6297771"   "6577271").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 09:47 |
| S66 | 1    | (memory WITH sort WITH save<br>WITH maximum)                                      | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 09:55 |
| S67 | 1169 | "375"/\$.CCLS. AND (memory<br>WITH maximum)                                       | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 09:55 |
| S68 | 3    | "375"/\$.CCLS. AND (memory<br>WITH maximum WITH save)                             | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 10:57 |
| S69 | 86   | "375"/\$.CCLS. AND (memory<br>WITH maximum WITH only)                             | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 09:56 |
| S70 | 65   | S69 AND @ad<"20010101"  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 09:56 |
| S71 | 1    | "6917331"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2005/07/13 10:13 |
| S72 | 6    | ("5253268"   "5608722"  <br>"5642377"   "5644591"  <br>"6297771"   "6577271").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 10:15 |
| S73 | 6    | "6577271"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 10:15 |
| S74 | 0    | S68 AND "compare WITH<br>maximum WITH store"                                      | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 10:58 |
| S75 | 0    | "compare WITH maximum WITH<br>store"  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 10:58 |
| S76 | 0    | "compare WITH maximum"  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 10:58 |
| S77 | 0    | "compare WITH maximum"  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON | 2005/07/13 10:58 |

## EAST Search History

|     |     |                                   |                              |    |    |                  |
|-----|-----|-----------------------------------|------------------------------|----|----|------------------|
| S78 | 322 | (compare WITH maximum WITH store) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/07/13 10:59 |
| S79 | 33  | S78 AND "375"/\$.CCLS.            | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/07/13 10:59 |
| S80 | 26  | S79 AND @ad<"20010101"            | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/07/13 14:13 |
| S81 | 0   | 2001/0005402                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/07/13 14:13 |
| S82 | 1   | "20010005402"                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/07/13 14:13 |